

Question	Answer
15.	$\triangle MPN \sim \triangle PQN \sim \triangle MQP$ .
17.	$\triangle RSU \sim \triangle RTS \sim \triangle STU$ .
19.	$3\sqrt{5}$
25.	$20\sqrt{3}; 10\sqrt{21}; 20\sqrt{7}$
26.	12; 16; 7.2
27.	1670 ft
30.	$y$
32.	$y$
34.	$v$
36.	$4\sqrt{6}$
40.	5.5%
41.	B ; proportion should be $\frac{12}{EF} = \frac{EF}{8}$ .
42.	3.2 cm
44a.	3 ft 6 in.
44b.	5 ft 3 in.

Question	Answer
45.	The area of the rect. is $ab$ , and the area of the square is $s^2$ . It is given that $s^2 = ab$ , so $s$ is the geometric mean of $a$ and $b$ .
46.	Let $z$ be geometric mean of $x$ and $y$ , where $x = a^2$ and $y = b^2$ . So $z = \sqrt{a^2 b^2} = ab$ , which is a whole number.
47.	D